Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 02/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 27-11-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	25/11/2020	02/12/2020	149.43 X 151.99 X 150.16	22713	8.596	285.7	12.6	12.4
2	PCC	M15	25/11/2020	02/12/2020	150.27 X 150.16 X 149.20	22565	8.051	275.5	12.2	
3	PCC	M15	25/11/2020	02/12/2020	150.59 X 149.18 X 151.97	22465	8.788	278.2	12.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: **CP-2020-12-29-75** **Date: 23/12/2020**

: Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

: BBMP/EE/BTP/WO/144/2019-20

: 27-11-20

: PCC

: 150X150X150 mm

: M15 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 23/12/2020

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC	M15	25/11/2020	23/12/2020	149.05 X 151.67 X 151.07	22607	**8.896**	391.0	17.3	17.3
PCC	M15	25/11/2020	23/12/2020	151.02 X 149.95 X 149.75	22645	**8.089**	396.8	17.5	
PCC	M15	25/11/2020	23/12/2020	150.84 X 149.12 X 151.35	22493	**8.125**	387.0	17.2	

are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 20/11/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.01 X 151.06 X 149.39	22812	8.783	423.7	18.6	18.6
2	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	149.61 X 150.53 X 149.31	22521	8.789	412.1	18.3	
3	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.03 X 151.72 X 150.79	22914	8.722	433.3	18.9	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 11/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	150.65 X 149.07 X 150.61	22458	**8.508**	521.9	23.2	23.2
2	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	150.59 X 151.63 X 150.62	22834	**8.323**	518.9	22.7	
3	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	150.92 X 151.77 X 150.26	22905	**8.490**	540.4	23.6	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP, Bangalore-97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 20/11/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.44 X 149.04 X 151.18	22570	8.783	421.5	18.7	18.6
2	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.51 X 149.24 X 150.93	22612	8.789	423.9	18.7	
3	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	150.94 X 149.47 X 151.66	22560	8.722	415.5	18.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 11/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	151.20 X 151.80 X 151.09	22952	**8.508**	536.2	23.4	23.0
	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	149.01 X 149.09 X 151.20	22215	**8.323**	490.4	22.1	
	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	149.34 X 150.04 X 150.68	22407	**8.490**	530.1	23.7	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-12-29-75

Date: 20/11/2020

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.62 X 151.86 X 150.92	23024	8.783	415.6	18.1	18.3
2	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	150.71 X 151.28 X 151.87	22799	8.789	418.6	18.4	
3	Drain Bottom Slab Concrete	M20	13/11/2020	20/11/2020	151.03 X 150.16 X 151.00	22677	8.722	422.1	18.6	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 11/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 17-11-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	150.90 X 149.33 X 151.30	22535	**8.508**	523.4	23.2	23.1
2	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	149.52 X 149.90 X 149.31	22413	**8.323**	505.5	22.6	
3	Drain Bottom Slab Concrete	M20	13/11/2020	11/12/2020	151.77 X 150.47 X 150.72	22837	**8.490**	534.6	23.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-12-29-75 **Date: 24/11/2020**
Project Name	:	Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.
Agency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/BTP/WO/144/2019-20
Date of Receipt	:	19-11-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of Test	:	24/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	150.98 X 151.10 X 150.47	22813	8.783	425.9	18.7	18.8
2	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	149.14 X 151.58 X 151.64	22606	8.789	423.9	18.7	
3	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	150.58 X 151.89 X 151.27	22870	8.722	433.7	19.0	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 15/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 19-11-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	151.87 X 151.14 X 150.34	22955	**8.508**	549.3	23.9	23.2
2	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	149.58 X 151.89 X 150.36	22721	**8.323**	504.8	22.2	
3	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	150.50 X 149.82 X 149.70	22547	**8.490**	528.9	23.5	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-12-29-75

Date: 24/11/2020

: Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

: Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Reference : BBMP/EE/BTP/WO/144/2019-20

: 19-11-20

: Drain Side Wall Concrete

: 150X150X150 mm

: M20 / 7 Days Compressive Strength

BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/11/2020

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	151.93 X 151.12 X 151.97	22959	**8.783**	427.4	18.6	18.7
Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	149.14 X 151.53 X 151.44	22599	**8.789**	421.4	18.6	
Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	151.53 X 149.37 X 150.66	22634	**8.722**	427.7	18.9	

ined are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75**

Date: 15/12/2020

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 19-11-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	151.69 X 149.40 X 150.46	22663	8.508	541.9	23.9	23.4
	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	150.14 X 149.24 X 150.08	22407	8.323	514.3	23.0	
	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	149.70 X 149.13 X 150.11	22326	8.490	521.2	23.3	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 24/11/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 19-11-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	150.69 X 150.24 X 149.80	22639	8.783	422.4	18.7	18.4
2	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	151.69 X 151.63 X 151.01	23001	8.789	416.8	18.1	
3	Drain Side Wall Concrete	M20	17/11/2020	24/11/2020	149.02 X 149.35 X 149.95	22257	8.722	411.7	18.5	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 15/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 19-11-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	151.93 X 149.54 X 151.09	22720	**8.508**	528.1	23.2	22.9
2	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	150.82 X 150.61 X 150.51	22715	**8.323**	504.0	22.2	
3	Drain Side Wall Concrete	M20	17/11/2020	15/12/2020	149.84 X 149.57 X 150.50	22412	**8.490**	518.5	23.1	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 09/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	151.42 X 150.36 X 149.50	22767	8.397	589.5	25.9	25.5
2	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	151.91 X 149.67 X 150.78	22737	8.139	596.7	26.2	
3	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	149.61 X 149.11 X 150.75	22309	8.478	541.5	24.3	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL Pro Sig. Date. BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 30/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	02/12/2020	30/12/2020	151.13 X 149.93 X 149.09	22659	8.926	757.4	33.4	33.1
2	Cement Concrete Pavement	*M30*	*02/12/2020*	*30/12/2020*	149.39 X *151.30 X* 149.72	*22602*	*8.780*	*733.9*	*32.5*	
3	Cement Concrete Pavement	M30	02/12/2020	30/12/2020	149.29 X 151.44 X *150.99*	22609	8.558	752.8	33.3	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 09/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of Test : 09/12/2020

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	02/12/2020	09/12/2020	150.64 X 150.88 X 151.90	22729	**8.397**	587.5	25.8	25.9
Cement Concrete Pavement	M30	02/12/2020	09/12/2020	151.47 X 150.33 X 150.27	22771	**8.139**	612.9	26.9	
Cement Concrete Pavement	M30	02/12/2020	09/12/2020	149.09 X 151.80 X 151.03	22632	**8.478**	565.0	25.0	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 30/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Client : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : *IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5*

Date of Test : 30/12/2020

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	02/12/2020	30/12/2020	149.01 X 149.06 X 150.12	22212	**8.926**	736.3	33.1	33.2
Cement Concrete Pavement	M30	02/12/2020	30/12/2020	151.25 X 150.31 X 149.32	22734	**8.780**	743.9	32.7	
Cement Concrete Pavement	M30	02/12/2020	30/12/2020	151.51 X 151.54 X *150.01*	22959	**8.558**	773.2	33.7	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 97

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Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 09/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	150.03 X 151.00 X 149.67	22653	**8.397**	571.8	25.2	25.4
2	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	151.96 X 149.16 X 149.26	22666	**8.139**	598.9	26.4	
3	Cement Concrete Pavement	M30	02/12/2020	09/12/2020	151.26 X 150.53 X 150.10	22769	**8.478**	557.5	24.5	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 30/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 04-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement	M30	02/12/2020	30/12/2020	149.04 X 149.26 X 149.58	22246	8.926	745.8	33.5	33.3
2	Cement Concrete Pavement	M30	02/12/2020	30/12/2020	149.48 X 151.48 X 151.25	22643	8.780	738.4	32.6	
3	Cement Concrete Pavement	M30	02/12/2020	30/12/2020	151.19 X 150.03 X 150.58	22683	8.558	766.0	33.8	

The results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore-57

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-12-29-75** **Date: 10/12/2020**
Project Name	:	Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.
Agency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/BTP/WO/144/2019-20
Date of Receipt	:	05-12-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/12/2020

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	03/12/2020	10/12/2020	149.61 X 150.65 X 150.84	22539	**8.397**	573.8	25.5	25.7
Cement Concrete Pavement	M30	03/12/2020	10/12/2020	151.76 X 151.64 X 149.26	23013	**8.139**	620.4	27.0	
Cement Concrete Pavement	M30	03/12/2020	10/12/2020	151.19 X 150.52 X 149.02	22757	**8.478**	564.3	24.8	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75**

Date: 31/12/2020

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 05-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	149.69 X 151.15 X 151.28	22626	8.926	755.8	33.4	33.0
2	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	150.76 X 150.35 X 149.55	22667	8.780	729.2	32.2	
3	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	151.20 X 151.35 X 151.04	22883	8.558	762.8	33.3	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 31/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 05-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	150.27 X 151.62 X 149.14	22784	**8.926**	770.5	33.8	33.4
	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	151.48 X 150.09 X 150.78	22735	**8.780**	741.2	32.6	
	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	150.49 X 150.31 X 150.39	22620	**8.558**	766.6	33.9	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub-Division
BBMP, Bangalore - 97

CIVIL PRO BANGALORE Sig. Date

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R KARTHIK RECHAN
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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 10/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 05-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	03/12/2020	10/12/2020	150.46 X 149.40 X 151.45	22479	**8.397**	562.8	25.0	25.4
2	Cement Concrete Pavement	M30	03/12/2020	10/12/2020	149.90 X 151.63 X 151.44	22730	**8.139**	607.6	26.7	
3	Cement Concrete Pavement	M30	03/12/2020	10/12/2020	149.30 X 149.46 X 149.15	22315	**8.478**	544.0	24.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

CIVIL PRO BANGALORE Sig. Date

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 31/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : *BBMP/EE/BTP/WO/144/2019-20*

Date of Receipt : 05-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	151.88 X 149.33 X 151.30	22681	8.926	765.1	33.7	33.1
2	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	150.99 X 149.06 X 151.98	22507	8.780	725.9	32.3	
3	Cement Concrete Pavement	M30	03/12/2020	31/12/2020	149.18 X 150.24 X 151.93	22414	8.558	748.2	33.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 11/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 06-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.00 X 151.30 X 149.83	22695	**8.397**	579.2	25.5	25.3
2	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.59 X 150.20 X 151.25	22619	**8.139**	590.3	26.1	
3	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.23 X 151.55 X 151.84	22767	**8.478**	554.7	24.4	

Results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

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Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-12-29-75** **Date: 01/01/2021**
Project Name	:	Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.
Agency	:	Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/BTP/WO/144/2019-20
Date of Receipt	:	06-12-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	150.29 X 150.21 X 150.38	22574	**8.926**	764.6	33.9	33.5
2	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	149.79 X 151.87 X 149.97	22748	**8.780**	750.0	33.0	
3	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	150.39 X 151.73 X 151.02	22819	**8.558**	768.6	33.7	

The results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP, Bangalore-97

CIVIL Pro Sig. Date BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-12-29-75 **Date: 11/12/2020**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

Date of Receipt : 06-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.00 X 149.98 X 151.92	22497	8.397	581.0	25.8	25.7
2	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	149.66 X 151.24 X 149.75	22635	8.139	600.3	26.5	
3	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.87 X 149.82 X 149.24	22604	8.478	560.6	24.8	

The results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL PRO BANGALORE Sig. Date

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-12-29-75** **Date: 01/01/2021**

Project Name : Improvements to Roads and Drains at Mariyamma Block and Surrounding Area in Ward No.11 Kuvempunagara.

Agency : Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/BTP/WO/144/2019-20

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Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	149.64 X 151.72 X 149.81	22703	8.926	770.1	33.9	33.5
2	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	151.81 X 151.39 X 150.16	22983	8.780	748.2	32.6	
3	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	149.17 X 150.63 X 150.72	22470	8.558	761.6	33.9	

The results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

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Date of Receipt : 06-12-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	150.93 X 150.86 X 150.73	22769	**8.397**	579.9	25.5	25.6
2	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	151.20 X 151.16 X 151.93	22856	**8.139**	611.1	26.7	
3	Cement Concrete Pavement	M30	04/12/2020	11/12/2020	151.66 X 151.13 X 149.45	22922	**8.478**	566.4	24.7	

The results obtained are satisfactory as per standard requirements.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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Date of test : 01/01/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	151.79 X 149.16 X 150.25	22642	**8.926**	762.6	33.7	33.4
2	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	150.56 X 151.84 X 150.32	22861	**8.780**	752.0	32.9	
3	Cement Concrete Pavement	M30	04/12/2020	01/01/2021	149.66 X 150.14 X 151.45	22471	**8.558**	754.7	33.6	

The results obtained are satisfactory as per standard requirements.

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